

Optical Metrology	Optical Material and Systems	Computational Optics	Optical Material Processing	Optics in Communication	Optics in Medicine	Physics of Light
<b>Lectures</b>						
Fröba: Light Scattering , 5 CP	Zhuromskyy: Optical Material and System: 5 CP	Pflaum: Computational Optics, 5 CP.	Hausotte.: Optical Manufacturing Metrology, 5 CP	Schmauß: Non-linear fibre optics, 5 CP	Klämpfle / Schmidt: Laser Tissue Interaction, 5 CP	Lindlein: Wave Optics and Fourier Optics. 5 CP
Hausotte: Optical Manufacturing Metrology, 5 CP	Peschel: Quantum optics and Nanophotonics, 5 CP	Joly/Schmidberger: C++ for Optical Problems, 5 ECTS	Joly: Advanced laser, 5 CP	Joly: Non-linear optics, 5 CP	Vollmer: Biosensing, 5 CP	Joly: Non-linear optics, 5 CP
Vollmer: Biosensing, 5 CP	Peschel/Romanov: Photonic and Plasmonic Crystals, 5CP	Maier: Interventional Medical Image Processing, 5 CP	Klämpfle / Schmidt: Laser Tissue Interaction, 5 CP	Lindlein: Wave Optics and Fourier Optics, 5 CP	Hornegger: Intervent. Medical Image Processing, 5CP	Peschel: Quantum optics and Nanophotonics, 5 CP
Lindlein: Wave Optics and Fourier Optics. 5 CP	Zhuromsky: Spectroscopic ellipsometry, 5 CP	Angelopoulou: Computer Vision, 5 CP	Alexeev: Engineering of Solid State Lasers, 2.5 CP	Peschel/Romanov: Photonic and Plasmonic Crystals, 5 CP	Eichhorn: Clinical applications of OT/ Fund. anatomy 5CP	Peschel/Romanov: Photonic and Plasmonic Crystals, 5CP
Zhuromsky: Spectroscopic ellipsometry, 5 CP	Lindlein: Wave and Fourier Optics. 5 CP	Köstler: Image processing, 5 CP <sup>2</sup>	Hoffmann: Lasersystemtechnik 2, 2.5 CP	Peschel: Non-linear Dynamics and solitons in Optics, 5 CP		Joly: Advanced laser, 5 CP
	Joly: Advanced laser, 5 CP	Hornegger: Pattern Analysis, 5 CP				
	Joly: Non-linear optics, 5 CP					
<b>Practical courses</b>						
	Perez: Lab course "Optical Materials and Systems", 2.5 CP	Michel: Simulation of Ray Tracing, 2.5 CP	Tenner: Lab course "Optical Material Processing", 2.5 CP		Stelzle: Lab course "Surgery and Biooptics", 2.5 CP	